



ACS Middle School Science Laboratory Report Graphic Organiser

Title: _____

Name _____ **Class** _____

Scoring Key- you can score 0,1 or 2 for each section

Grade totals:

1. Planning

2. Results

3. Conclusion and Evaluation

s:self

p:peer

t:teacher

	s	p	t	total
grade				10

	s	p	t	total
grade				

	s	p	t	total
grade				4

1. a Question/ purpose

Section	Section in report	Descriptor	s	p	t
1.a	Question/purpose	•I have stated the purpose of my investigation clearly.			

Does the *(independent variable)* _____

affect the *(dependent variable)* _____

?

1.b Hypothesis

Section	Section in report	Descriptor	s	p	t
1.b	Hypothesis and explanation	•I have written a testable hypothesis. •I have used scientific ideas to explain it.			

If _____

then _____

because _____

1.c Fair Test

Section	Section in report	Descriptor	s	p	t
1.c	Fair test	•I have identified at least two relevant variables to control •I have stated how they will be controlled. E.g. height = 2m. (These stay the same in all experiments.)			

Name of variable to control	Value controlled at	Units

1.d Materials And Diagram

Section	Section in report	Descriptor	s	p	t
1.d	Materials and diagram	<ul style="list-style-type: none"> •I have given a complete list of materials. •I have used a pencil and ruler to draw a labelled diagram of the equipment set up as I used it. 			

Material List	Diagram Of Set Up

1.e Experimental Method

Section	Section in report	Descriptor	s	p	t
1.e	Experimental method	<ul style="list-style-type: none"> • I have written a method that is easy to follow. • I have stated how the results (dependent variable) will be found. 			

[illegible]

2. Displaying Results

Section	Section in report	Descriptor	s	p	t
2.a	Results table	<ul style="list-style-type: none"> •I have drawn my results table neatly with a ruler. •I have used full headings including units. 			
2.b	Results table	<ul style="list-style-type: none"> •I have given my results fully including both observed and measured data. 			
2.c	Results table	<ul style="list-style-type: none"> •My table contains sufficient appropriate data to fully test my hypothesis. 			

2.d Graphing Results

*If appropriate, make a graph of your results. First decide if a **line graph** or **bar chart** would be better.*

*Make sure you use a **pencil** and a **ruler** and label everything. Attach your graph to your lab report.*

Section	Section in report	Descriptor	s	p	t
2.d	Graphs	<ul style="list-style-type: none"> •If required, I have graphed my raw or processed results appropriately and accurately. 			

3.a Conclusion

Section	Section in report	Descriptor	s	p	t
3.a	Conclusion	<ul style="list-style-type: none"> • I have discussed my results and looked for patterns and conclusions in my data. • I have related my discussion to my original hypothesis. 			

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3.b Evaluation

Section	Section in report	Descriptor	s	p	t
3.b	Evaluation	<ul style="list-style-type: none"> • I have identified a key weakness in my experiment. • I have suggested a way to improve the experimental method to minimise this weakness. (If there are no weaknesses I have suggested a way to extend my experiment and why this would be a suitable extension. 			
